

# Python: module browser.gui\_control

## ***browser.gui\_control***

[index](#)

```
# The PCMDI Data Browser controls -  gui_control module
#
#####
# Module:      gui_control module
#
# Copyright:   "See file Legal.htm for copyright information."
#
# Authors:     PCMDI Software Team
#               Lawrence Livermore NationalLaboratory:
#               support@pcmdi.llnl.gov
#
# Description: PCMDI Software System browser interface controls.
#
# Version:    4.0
#
#####
#####
```

## ***Modules***

[cdms](#)  
[cdtime](#)

[os](#)  
[string](#)

[time](#)  
[types](#)

## ***Classes***

### **Command**

class **Command**

```
-----
# Event handling function that will allow the passing of arguments
-----
```

Methods defined here:

**\_\_call\_\_**(self, \*args, \*\*kw)

**\_\_init\_\_**(self, func, \*args, \*\*kw)

## Functions

```
record_command(parent, command_str, do_beginner=0)
#-----
# Record command in the command file
#
# 0 - Only do advanced scripting
# 1 - Do both advanced and beginner scripting
# 2 - Only do beginner scripting
#-----

start_recording_commands(parent)
#-----
# Start recording command file
#-----


start_tracking_directory_file_variable_log(parent)
#-----
# Start tracking directories, files, and variables requested by the user
# If the "TrackUser" directory doesn't exist in the "$HOME/PCMDI_GCM"
# directory, then create it.
#-----


track_user(parent, command_str)
```

## Data

```
calendar_list = {'clim': 4096, 'climleap': 4352, 'd360': 17, 'gregorian': 4369, 'julian': 69905, 'no_calendar': 135441, 'noleap': 4113, 'proleptic_gregorian': 4369}
datachlst = ["a alter the variable's attributes", 'n save variable to netCDF file', 'r remove the selected data variable', 'R remove [all] the variables in the data list']
datafilechlst = ['Data Files', '*.nc Files', '*.ctl Files', '*.cdms Files', '*.dic Files', '*.hdf Files', '*.xml Files', '*.cdml Files', 'All Files', 'Find Pattern', 'Datasets']
datatype = [('Search for Data files', '*.nc *.ctl *.cdms *.dic *.hdf *.xml *.cdml'), ('Search for netCDF files', '*.nc'), ('Search for GrADS files', '*.ctl'), ('Search for CDMS files', '*.cdms'), ('Search for DRS files', '*.dic'), ('Search for CDMS files', '*.hdf'), ('Search for XML files', '*.xml'), ('Search for XML files', '*.cdml'), ('All files', '*')]
db = None
db_connections = []
dbdchlst = ['Directory', 'Database']
defined_frame_scale = 1.75
dim_axis = ['X', 'Y', 'Z', 'T', 'W', 'U', 'V', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', ...]
dim_button_max = 150
dim_button_min = 50
dim_button_ratio = 0.8000000000000004
dim_scale_ratio = 2.0
dimchlst = ['def (default) user defines axis subset by selecting first and last points', 'sum user wants summation of selected axis points', 'avg user wants average of selected axis points', 'wgt user wants weighted average of selected axis points', 'awt user wants altered weighted average of selected axis points']
```

selected axis points', 'gtm user wants geometrical mean of selected axis points', 'std user wants standard deviation over selected axis points']

**dimchlst2** = ['def (default) user defines axis subset by selecting first and last points', 'sum user wants summation of selected axis points', 'avg user wants average of selected axis points', 'awt user wants altered weighted average of selected axis points', 'gtm user wants geometrical mean of selected axis points', 'std user wants standard deviation over selected axis points']

**dimname\_width** = 10

**directory\_or\_database** = 'directory'

**dirimpchlst** = ['File', 'Import']

**do\_not\_show\_in\_list** = ['\_\_builtins\_\_', '\_\_doc\_\_', '\_\_main\_\_', '\_\_name\_\_', 'Pmw', 'Tkinter', 'browser', 'gui\_alter\_plot', 'gui\_color', 'gui\_control', 'gui\_defined\_variables', 'gui\_dimensions', 'gui\_functions', 'gui\_graphics\_control', 'gui\_menu', 'gui\_select\_variable', 'gui\_variable\_information', 'types', 'os', 'string', ...]

**dvholder** = '---'

**dysize** = 3

**favorite\_directories** = []

**favorite\_files** = []

**favorite\_files\_index** = None

**favorite\_index** = None

**filetypes** = [('Python and text files', '\*.py \*.pyw \*.txt', 'TEXT'), ('All text files', '\*', 'TEXT'), ('All files', '\*')]

**gmchlst** = ['Boxfill', 'BoxDiscrete', 'BoxedIsoline', 'FilledIsoline', 'Isofill', 'Isoline', 'Meshfill', 'Outfill', 'Outline', 'Scatter', 'Taylordiagram', 'Vector', 'XvsY', 'Xyvsv', 'Yxvss']

**gui\_font** = ('helvetica', 12)

**have\_cdms\_database** = 0

**i** = 17

**idle\_font\_height** = '10'

**idle\_font\_name** = 'courier'

**idle\_font\_size** = '12'

**idle\_font\_width** = '80'

**latitude\_alias** = ['latitude']

**level\_alias** = ['level', 'plev', 'plev']

**listbox\_width** = 16

**longitude\_alias** = ['longitude']

**max\_help\_width** = 50

**mbutton\_font** = ('helvetica', 12)

**menu\_font** = ('helvetica', 12)

**mini\_defined\_template\_gm\_width** = 135

**ndim** = 26

**potchlst** = ['VCS Canvas 1', 'VCS Canvas 2', 'VCS Canvas 3', 'VCS Canvas 4', 'Background Canvas', 'Clear VCS Canvas 1', 'Close VCS Canvas 1']

**scl\_width** = 10

**search\_function\_type\_list** = [<type 'function'>, <type 'instance'>, <type 'builtin\_function\_or\_method'>]

**time\_alias** = ['time']